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(54) HAIR COSMETIC COMPOSITION

(57)Abstract:

PURPOSE: To provide the subject composition containing a transglutaminase and a water-soluble polyhydric alcohol, exhibiting excellent surface-modifying effect on damaged hair, resistant to the variation of color and smell with time and safely usable for a long period.

CONSTITUTION: The objective hair cosmetic composition contains (A) a transglutaminase(TGase), (B) a water-soluble polyhydric alcohol to suppress the deterioration of TGase with time in aqueous solution and, as necessary, (C) a calcium salt (preferably calcium chloride, calcium acetate or calcium lactate) to promote the activity of TGase. The TGase catalyzes the reaction of free glutamine residue and lysine residue existing in the outermost layer of the hair to form a crosslinking consisting of ε-(γ-glutamine) lysine bond. Accordingly, the surface structure is densified, the damaged hair, the water- retainability and the moisture-retainability of hair are improved and the hair is imparted with gloss, softness and springiness.

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